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Silurian strata of the Lake Superior region and eastern New York (including adjacent areas in Canada and New England). This similarity is expressed in the lithological structural and faunal character of the rocks of the two regions. Strata of the Lower, Middle and Upper Cambrian are recognized in both districts. A plea is made for the use of lithological constants in correlating rocks belonging to the earlier epochs of geological history when similar oceanic and physical conditions spread over vast expanses of the earth's surface.

*Brachiocrinus and Herpetocrinus:* By F. A. BATHER. The generic terms *Brachiocrinus* and *Myelodactylus* were early applied to so-called arm fragments of crinoids. These seem to have been really stem fragments, and as such were later correctly described as *Herpetocrinus*, which term the author thinks wise to retain in place of the others. A revised diagnosis of *H. nodosarius* is presented.

*Description of a New Genus and Five New Species of Fossils from the Devonian and Sub-Carboniferous Rocks of Missouri:* By R. R. ROWLEY. The new genus is *Aristocrinus*, and the new species belong to the genera *Allagecrinus*, *Granatocrinus*, *Goniatites*; *Pleurotomaria* and *Murchisonia*.

*The Elective System as Adopted in the Michigan Mining School:* By M. E. WADSWORTH. The Michigan Mining School has recently adopted an elective system which allows more freedom of choice than that in any other mining or technical school. Two studies only—elementary geology and the elementary principles of mining—are required of all students, but there is in some cases a natural sequence of studies, so that students, in order to pursue advanced work in certain lines, must first complete the earlier work in the sequence.

*Rock Hill, Long Island, N. Y.:* By JOHN BRYSON. An immense boulder on the summit of Rock Hill is described and figured. This boulder is now about 50 by 20 feet, but the author thinks that it was originally, before being quarried for stone, more than 125 by 20 feet. Several other glacial features of the region are discussed.

*The Geological Society and American Association Meetings:* By WARREN UPHAM. An ex-

tended and complete account of the recent meetings at Springfield, Mass., is given. Abstracts of all the papers (and discussions) read before the Geological Society and before Section E of the A. A. S. are included.

*The International Geological Congress.—A Correction:* By ALBERT HEIM. Prof. Heim calls attention to some misstatements concerning himself which appeared in the account of the last meeting of the Congress.

#### NEW BOOKS.

*The Manufacture of Explosives.* OSCAR GUTTMANN. 2 Volumes. New York, Macmillan & Co. London, Whittaker & Co. 1895. Pp. xiii+348, xii+444. \$9.00.

*Solution and Electrolysis.* W. C. D. WHETHAM. Cambridge University Press. New York, Macmillan & Co. 1895. Pp. viii+296. \$1.90.

*A Laboratory Manual of Organic Chemistry.* DR. LASSAR-COHN. Translated by ALEXANDER SMITH. London and New York, Macmillan & Co. Pp. xix+403. \$2.25.

*Bulletins of the U. S. Geological Survey, No. 118.* Pp. vi+131. *A Geographic Dictionary of New Jersey.* HENRY GANNETT. No. 119. *A Geological Reconnaissance in Northwest Wyoming.* GEORGE HOMANS ELDRIDGE. Pp. vi+72. No. 120. *The Devonian System of Eastern Pennsylvania and New York.* CHARLES S. PROSSER. Pp. vi+81. No. 121. *A Bibliography of North American Paleontology.* CHARLES ROLLIN KEYES. Pp. vi+251. No. 122. *Results of Primary Triangulation.* HENRY GANNETT. Pp. vi+412. Government Printing Office, Washington, D. C. 1894.

*Lakes of North America.* ISRAEL C. RUSSELL. Boston and London, Ginn & Co. 1895. Pp. x+125. \$1.65.

*Greenhouse and Window Plants.* CHARLES COLLINS. London and New York, Macmillan & Co. 1895. Pp. x+160. 40 cts.

*The Production of Coal in 1894.* EDWARD WHEELER PARKER. From the Sixteenth Annual Report of the Director of the U. S. Geological Survey, Washington, 1895. Pp. 224.